



# Crop Weather Report

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For the Week Ending:  
July 20, 2008

## Weather Summary

Montana received light precipitation for the week ending July 20<sup>th</sup>. Albion received the most weekly accumulated moisture for the second week in a row at 1.96 inches. Bozeman received 0.70 of an inch on July 18<sup>th</sup>, breaking the old daily record of 0.52 inches set in 1987. Highs were mostly in the 80s and 90s, and lows were mostly in the 40s. Roundup, Huntley, and Miles City shared the high temperature of 93 degrees, and Wisdom had the low temperature of 31 degrees. Topsoil moisture adequate and surplus, at 26 percent, is below last week's 36 percent, last year's 28 percent, and the five-year average of 30 percent. Subsoil moisture adequate and surplus, at 36 percent, is below last week's 41 percent and last year's 43 percent, but is the same as the five-year average. The number of days suitable for field work was 6.7 days.

The weather outlook for July 28<sup>th</sup> through August 3<sup>rd</sup> is for above normal temperatures and below normal precipitation both east and west of the continental divide. Normal temperatures for this period in Montana are highs in the upper 70s to the upper 80s and lows in the lower 40s to the lower 60s.

Crop Condition Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Barley</b>				
Very Poor	1	1	15	5
Poor	8	4	14	11
Fair	38	30	21	27
Good	50	56	41	45
Excellent	3	9	9	12
<b>Durum Wheat</b>				
Very Poor	10	9	3	7
Poor	35	29	12	14
Fair	29	39	23	26
Good	26	21	50	44
Excellent	0	2	12	9
<b>Oats</b>				
Very Poor	3	2	2	4
Poor	9	9	6	9
Fair	47	37	22	25
Good	38	46	60	52
Excellent	3	6	10	10
<b>Spring Wheat</b>				
Very Poor	5	2	8	6
Poor	9	12	9	10
Fair	33	37	20	28
Good	51	42	55	49
Excellent	2	7	8	7
<b>Winter Wheat</b>				
Very Poor	2	1	2	2
Poor	9	8	5	7
Fair	35	31	26	29
Good	40	43	47	44
Excellent	14	17	20	18

## Livestock Report

Range and pasture feed conditions are below last week and last year, but they are still better than the five-year average. Pastures are in need of moisture.

Soil Moisture & Field Work Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Topsoil Moisture</b>				
Very Short	23	18	26	28
Short	51	46	46	42
Adequate	25	35	26	29
Surplus	1	1	2	1
<b>Subsoil Moisture</b>				
Very Short	15	19	18	25
Short	49	40	39	39
Adequate	35	40	41	35
Surplus	1	1	2	1
<b>Days Suitable for Fieldwork</b>				
Days	6.7	6.6	6.8	6.8

## Field Crops Report

Temperatures and lack of rainfall are taking a toll on most crops. Hay producers have just begun their second cuttings, and first cuttings of alfalfa and other hay are behind last year and the five-year average. Barley, oats, and winter wheat conditions have declined, while spring wheat and durum wheat conditions improved this week from the previous week. Reports across the state indicate that spring crops are in need of moisture. Farmers began harvesting dry peas and a few of the oilseeds this past week.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Boot Stage</b>				
Barley	95	89	99	98
Durum Wheat	99	94	98	92
Oats	94	93	100	96
Spring Wheat	96	92	100	98
<b>Headed</b>				
Barley	87	65	94	90
Durum Wheat	82	75	82	76
Oats	81	80	95	88
Spring Wheat	89	79	91	92
<b>Turning</b>				
Barley	29	6	55	36
Durum Wheat	41	16	38	28
Oats	40	13	53	37
Spring Wheat	28	7	41	34
Winter Wheat	83	51	96	92
<b>Blooming</b>				
Lentils	91	83	100	n/a
<b>Harvested</b>				
Dry Peas	6	1	5	n/a
<b>Hay First Cutting</b>				
Alfalfa	90	74	97	93
All Other Hay	82	69	89	83
<b>Hay Second Cutting</b>				
Alfalfa	1	n/a	6	n/a

Range & Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Range and Pasture Feed Condition</b>				
Very Poor	5	4	9	9
Poor	12	11	8	15
Fair	38	34	26	33
Good	38	36	46	35
Excellent	7	15	11	8

## Weather Information for the Week ending 07/20/2008

Station ID						Precipitation							
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date		
	Hi	LOW	AVG	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM
NORTHWEST													
Alberton	87	43	65	109	-14	0.00	-0.22	5.28	-0.25	95	14.56	+3.27	129
Anaconda	90	40	65	106	+8	0.03	-0.26	5.35	-0.56	91	11.82	+1.48	114
Clinton	92	39	64	102	+18	0.03	-0.18	6.41	+1.14	122	14.96	+2.17	117
Corvallis	90	44	67	121	+2	0.00	-0.19	2.53	-2.42	51	6.86	-2.36	74
Creston	86	43	64	101	+1	0.00	-0.36	7.58	-0.78	91	11.40	-5.21	69
Deer Lodge	88	38	62	87	+3	0.02	-0.33	4.39	-0.85	84	6.79	-0.89	88
Drummond	92	35	63	97	-8	0.00	-0.22	5.00	-0.36	93	9.74	-0.15	98
Hamilton	86	50	68	129	+12	0.00	-0.21	2.62	-2.47	51	5.97	-2.03	75
Kalispell	88	41	64	103	+5	0.00	-0.28	5.74	-0.80	88	10.82	-3.54	75
Missoula	91	46	69	134	+11	0.00	-0.22	4.51	-1.02	82	9.24	-2.05	82
Olney	87	43	64	101	+17	0.00	-0.37	4.65	-2.96	61	17.37	-2.08	89
Polson	87	45	66	115	-11	0.00	-0.28	6.06	-0.61	91	10.37	-2.76	79
St Ignatius	89	48	68	130	+7	0.00	-0.28	6.79	-0.47	94	10.84	-2.66	80
Seeley Lake	90	38	64	98	+7	0.00	-0.24	3.99	-2.05	66	14.66	-2.94	83
Sula	88	36	62	85	+8	0.03	-0.25	6.07	-0.83	88	11.83	-1.18	91
Superior	90	44	68	127	-3	0.00	-0.21	7.43	+1.94	135	16.56	+2.72	120
Swan Lake	86	40	63	91	+7	0.00	-0.31	7.08	-0.99	88	23.69	-0.95	96
Thompson Falls	92	47	68	131	-7	0.00	-0.27	5.17	-1.63	76	21.33	+1.00	105
West Glacier	87	42	64	96	-2	0.08	-0.34	7.82	-1.26	86	26.00	+1.30	105
NORTH CENTRAL													
Chester	88	44	65	110	-9	0.08	-0.23	7.03	+1.30	123	8.66	+0.53	107
Chinook	90	48	68	126	-7	0.00	-0.35	8.74	+2.01	130	10.97	+1.16	112
Choteau	88	42	64	95	-23	0.09	-0.19	8.12	+2.35	141	10.48	+2.93	139
Cut Bank	85	42	63	92	-4	0.02	-0.32	7.91	+1.23	118	8.84	-0.30	97
Ft Assinniboine	90	47	67	124	-10	0.00	-0.39	7.76	+1.05	116	9.44	-0.52	95
Fort Benton	92	47	69	136	-4	0.00	-0.28	8.51	+1.64	124	11.02	+0.47	104
Goldbutte	86	36	61	78	-24	0.09	-0.19	8.66	+1.76	126	10.94	+0.89	109
Harlem	89	45	69	137	+5	0.00	-0.41	6.24	+0.02	100	7.70	-0.99	89
Havre	91	44	68	130	-2	0.01	-0.34	6.01	+0.34	106	7.49	-1.31	85
Malta	91	52	71	148	+15	0.22	-0.17	6.80	-0.21	97	10.47	+0.49	105
Rudyard	90	47	68	124	+2	0.00	-0.25	8.79	+3.25	159	9.48	+2.10	128
Shelby	88	42	65	104	+1	0.03	-0.20	6.78	+0.51	108	8.07	-1.16	87
Turner	86	44	66	111	-6	0.24	-0.16	7.66	+1.36	122	8.88	+0.32	104
Valier	84	40	64	99	-17	0.00	-0.26	7.49	+0.79	112	9.51	+0.48	105
NORTHEAST													
Bredette	89	51	68	129	-8	0.69	+0.14	5.34	-1.94	73	8.13	-1.58	84
Culbertson	89	45	70	142	-5	0.18	-0.33	4.00	-3.50	53	6.22	-3.98	61
Glasgow	90	52	70	143	-2	0.46	+0.07	7.35	+1.42	124	9.66	+1.16	114
Glendive	89	54	72	155	-6	0.02	-0.37	5.58	-1.44	79	7.39	-2.86	72
Jordan	92	46	69	134	-19	0.01	-0.36	6.55	-0.12	98	9.91	-0.09	99
Nashua	91	48	71	151	-9	0.14	-0.35	6.74	+0.29	104	8.81	+0.06	101
Opheim	82	39	63	93	-16	0.35	-0.18	6.30	-0.91	87	8.54	-0.81	91
Plentywood	86	46	67	117	-16	0.15	-0.34	5.13	-1.92	73	7.28	-2.55	74
St Marie	86	52	69	137	-8	0.14	-0.25	5.61	-0.32	95	7.62	-0.88	90
Scobey	87	45	67	124	+8	0.72	+0.28	8.57	+1.49	121	11.50	+2.14	123
Sidney	91	51	71	150	-1	0.18	-0.29	4.14	-3.31	56	5.92	-5.02	54
Wolf Point	92	48	72	154	-5	0.64	+0.24	5.99	-0.40	94	7.48	-1.57	83
CENTRAL													
Cascade	86	35	61	77	-7	0.13	-0.22	9.98	+2.47	133	14.58	+3.53	132
Grass Range	87	45	67	121	+5	0.01	-0.43	11.00	+2.25	126	14.96	+1.91	115
Great Falls	88	44	67	120	+2	0.03	-0.25	8.51	+1.38	119	11.34	-0.22	98
Harlowton	88	45	66	112	+0	0.16	-0.19	10.78	+3.34	145	14.93	+4.11	138
Helena	90	49	71	145	+17	0.00	-0.28	5.08	-0.35	94	7.62	-0.96	89
Lewistown	86	45	65	105	+0	0.09	-0.37	9.82	+1.13	113	12.54	-1.44	90
Martinsdale	85	40	62	88	+2	0.00	-0.42	6.59	-0.34	95	10.08	-0.19	98
Neihart	86	37	62	85	-6	0.20	-0.29	11.50	+1.30	113	18.67	+2.05	112
Rogers Pass	85	39	64	98	-7	0.00	-0.35	10.19	+1.58	118	13.74	-0.09	99
Roundup	93	47	70	144	-3	0.02	-0.33	8.26	+1.35	120	10.91	+0.71	107
Ryegate	85	42	64	100	-15	0.18	-0.24	8.77	+2.13	132	11.81	+1.97	120
Stanford	85	47	65	108	-7	0.09	-0.39	8.87	+0.14	102	12.47	-0.74	94
Townsend	87	42	65	106	-13	0.11	-0.17	4.59	-0.82	85	6.78	-1.12	86
Valentine	90	47	68	125	-2	0.00	-0.42	9.76	+2.74	139	12.45	+2.01	119
Wht Sulphur Spr	86	40	62	85	-13	0.06	-0.29	6.38	-0.39	94	10.05	-0.34	97
SOUTHWEST													
Boulder	83	43	65	104	-1	0.11	-0.24	5.20	-0.52	91	7.87	-0.69	92
Bozeman	86	44	65	106	-16	0.92	+0.64	11.21	+2.10	123	19.78	+4.17	127
Butte	82	37	61	79	-12	0.22	-0.11	5.39	-0.76	88	7.57	-2.36	76
Dillon	86	44	66	111	+4	0.10	-0.15	3.18	-2.17	59	6.11	-1.48	81
Ennis	86	37	62	85	-20	0.26	-0.02	6.18	-0.53	92	11.30	+0.67	106
Lakeview	88	42	65	105	+37	0.00	-0.42	5.49	-2.67	67	13.02	-2.53	84
W Yellowstone	84	40	62	88	+18	0.13	-0.29	6.78	-0.41	94	18.48	+0.08	100
Wisdom	88	31	59	64	+7	0.04	-0.24	4.48	-0.85	84	10.18	+0.78	108
SOUTH CENTRAL													
Billings	91	55	73	164	+5	0.22	-0.06	5.64	-1.37	80	9.60	-2.65	78
Cooke City	86	44	64	103	+57	0.07	-0.42	5.90	-2.90	67	11.22	-9.60	54
Gardiner	89	49	69	132	-3	0.06	-0.22	1.94	-2.54	43	5.76	-1.91	75
Hardin	92	50	73	163	-3	0.70	+0.45	7.20	+1.37	123	10.12	+0.27	103
Huntley	93	48	71	148	+8	0.77	+0.42	7.31	+0.42	106	11.25	-0.05	100
Hysham	90	51	71	146	-8	0.20	-0.15	7.97	+1.16	117	11.04	+0.29	103
Joliet	89	43	67	122	-11	0.21	-0.03	7.09	-0.30	96	11.23	-1.74	87
Livingston	90	42	65	107	-18	0.42	+0.07	7.28	-0.68	91	10.96	-1.51	88
Nye	87	42	65	107	+1	0.09	-0.28	10.98	+1.61	117	16.18	+1.49	110
Rapelje	89	46	68	125	-8	0.33	-0.04	8.43	+0.97	113	11.99	-0.19	98
SOUTHEAST													
Albion	92	44	70	145	+5	1.96	+1.54	18.41	+10.11	222	21.26	+9.89	187
Baker	92	50	70	145	-4	0.25	-0.13	7.75	+0.42	106	9.01	-2.37	79
Broadus	92	48	72	159	+1	0.31	-0.03	12.28	+5.17	173	14.25	+3.00	127
Ekalaka	87	49	69	133	-14	0.50	+0.11	12.59	+3.51	139	15.28	+1.30	109
Miles City	93	54	73	166	-7	0.15	-0.20	6.47	-0.70	90	7.09	-3.63	66
Plevna	91	46	70	143	-6	0.10	-0.28	7.53	+0.20	103	9.13	-2.25	80
Compiled by AWIS Inc. based on NWS data. DFN-Departure from normal 1970-2000. GDD-Growing degree days													